

=> fil cap

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FILE COVERS 1907 - 17 Dec 2008 VOL 149 ISS 25

FILE LAST UPDATED: 16 Dec 2008 (20081216/ED)

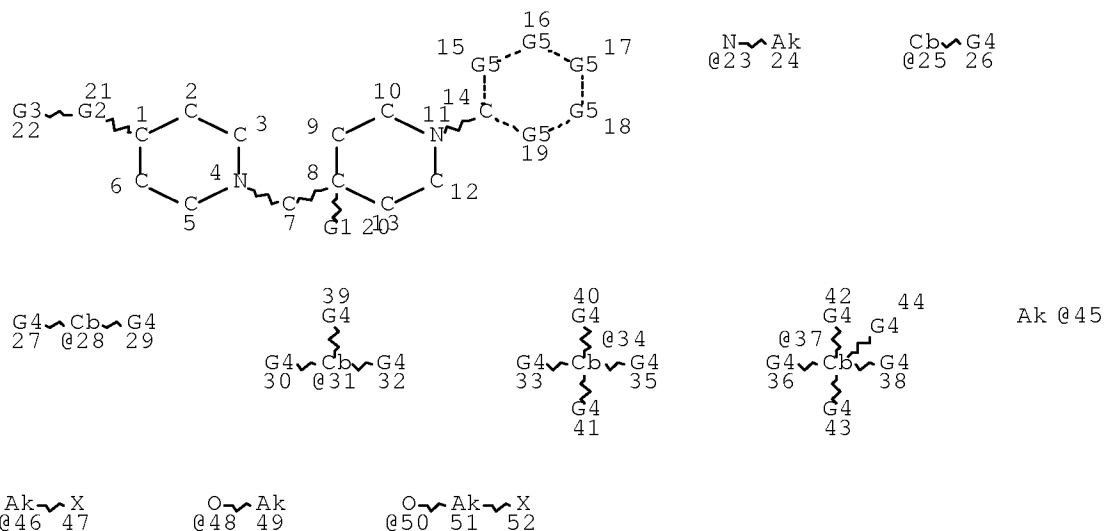
Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

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=> d que 116

L1 STR



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 VAR G2=CH2/O/NH/23
 VAR G3=PH/25/28/31/34/37
 VAR G4=X/CN/45/46/48/50
 VAR G5=C/N
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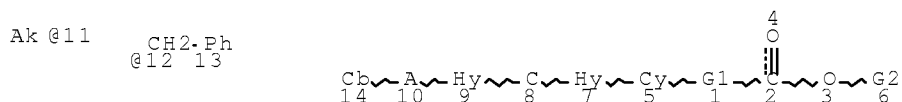
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GRAPH ATTRIBUTES:
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NUMBER OF NODES IS 52

STEREO ATTRIBUTES: NONE
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L8 STR



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NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE

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L16 4 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L10

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FILE LAST UPDATED: 12 DEC 2008 <20081212/UP>
MOST RECENT UPDATE: 200880 <200880/DW>
DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE
>>> Now containing more than 1.2 million chemical structures in DCR <<<

>>> IPC Reform backfile reclassifications have been loaded to end of
September 2008. No update date (UP) has been created for the
reclassified documents, but they can be identified by 20060101/UPIC,
and 20061231/UPIC, 20070601/UPIC, 20071001/UPIC, 20071130/UPIC,
20080401/UPIC, 20080701/UPIC and 20081001/UPIC.
ECLA reclassifications to mid August and US national classification
mid September 2008 have also been loaded. Update dates 20080401,
20080701 and 20081001/UPEC and /UPNC have been assigned to these. <<

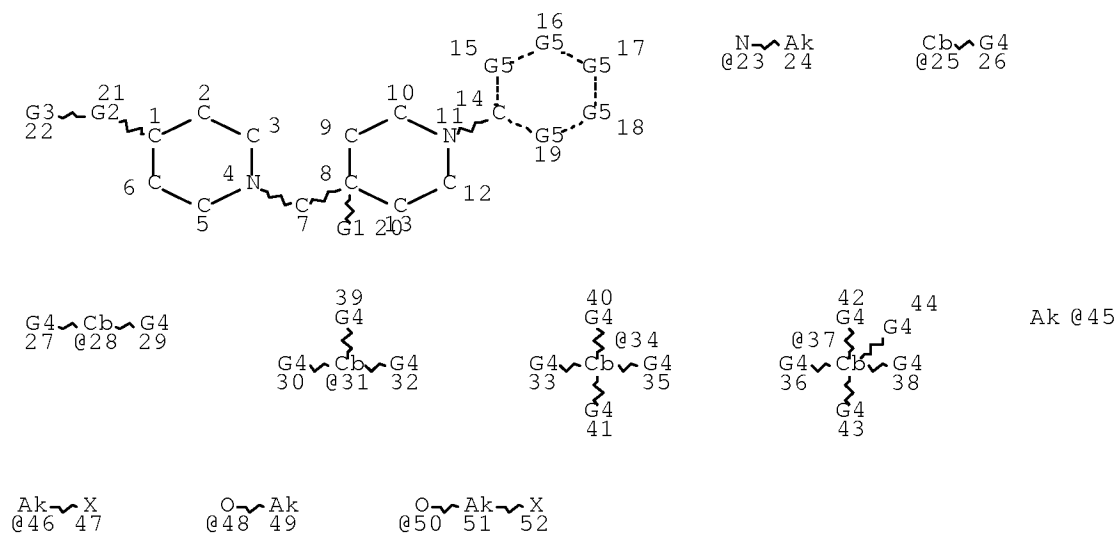
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PLEASE VISIT:
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<http://scientific.thomsonreuters.com/support/patents/coverage/latestupdates/>

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http://www.stn-international.com/DWPIAnaVist2_0608.html

>>> HELP for European Patent Classifications see HELP ECLA, HELP ICO <<<

=> d que 113
L1 STR

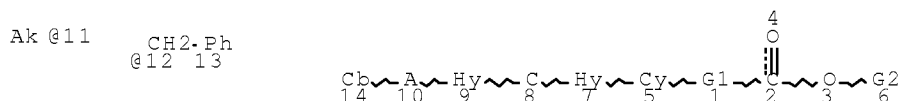


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NODE ATTRIBUTES:

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STEREO ATTRIBUTES: NONE
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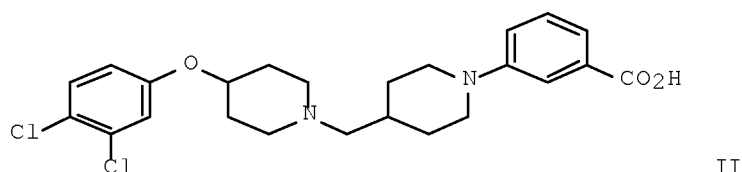
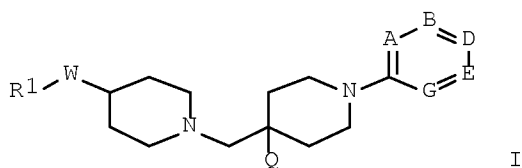
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COPYRIGHT (C) 2008 THOMSON REUTERS
PROCESSING COMPLETED FOR L16
PROCESSING COMPLETED FOR L13
L17 4 DUP REM L16 L13 (2 DUPLICATES REMOVED)
 ANSWERS '1-4' FROM FILE CAPLUS

L17 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN DUPLICATE 1
ACCESSION NUMBER: 2005:1126684 CAPLUS Full-text
DOCUMENT NUMBER: 143:405806
TITLE: Preparation of piperidine derivatives for the
treatment of chemokine mediated diseases
INVENTOR(S): Mochel, Tobias; Perry, Matthew; Springthorpe, Brian
PATENT ASSIGNEE(S): Astrazeneca AB, Swed.
SOURCE: PCT Int. Appl., 57 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005097775	A1	20051020	WO 2005-SE495	20050405
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1735298	A1	20061227	EP 2005-722310	20050405
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
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JP 2007532535	T	20071115	JP 2007-507274	20050405
IN 2006DN05542	A	20070803	IN 2006-DN5542	20060922
US 20080262037	A1	20081023	US 2007-599700	20070216
PRIORITY APPLN. INFO.:			SE 2004-925	A 20040406
			WO 2005-SE495	W 20050405
OTHER SOURCE(S):			CASREACT 143:405806; MARPAT 143:405806	
GI				



AB Title compds. I [R1 = (un)substituted phenyl; W = O or bond; Q = H or OH; one of A, B, D, E and G = C-X-Y-CO2R5, another is CH or N and the others are CR2, CR3 and CR4; X = CH2, O, NH, or N-alkyl; Y = (un)substituted linking alkyl; R5 = H, alkyl, benzyl; R2-4 independently = H, halo, CN, etc.], and their pharmaceutically acceptable salts, are prepared and disclosed for treatment of diseases mediated by chemokine (such as CCR3) or histamine receptors. Thus, e.g., II was prepared via hydrolysis of corresponding Me ester (preparation given). I were evaluated for binding to histamine H1 receptors, e.g., II

demonstrated a pKi value of 8.3. Assays for chemokine receptor activity were also described.

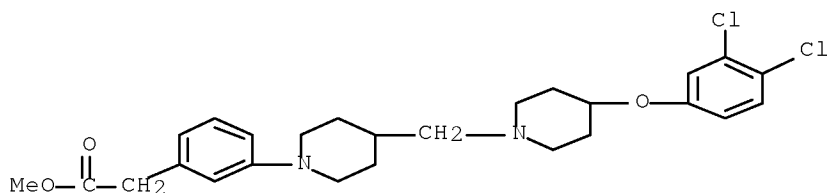
IT 867218-97-1P 867219-01-0P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of piperidine derivs. for the treatment of chemokine mediated diseases)

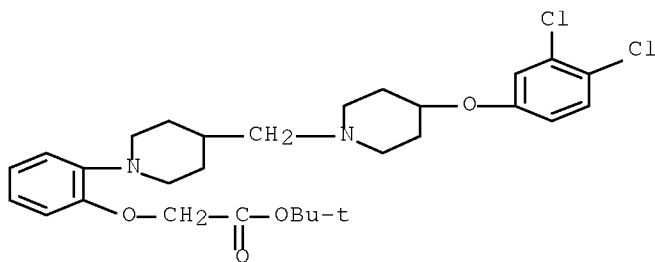
RN 867218-97-1 CAPLUS

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RN 867219-01-0 CAPLUS

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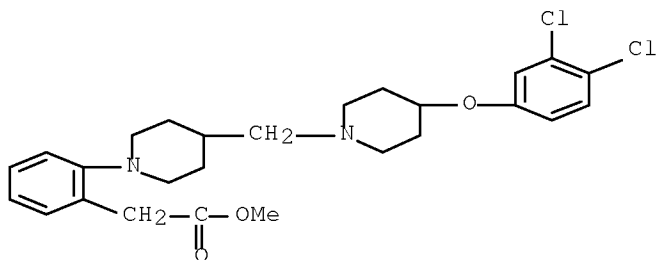
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of piperidine derivs. for the treatment of chemokine mediated diseases)

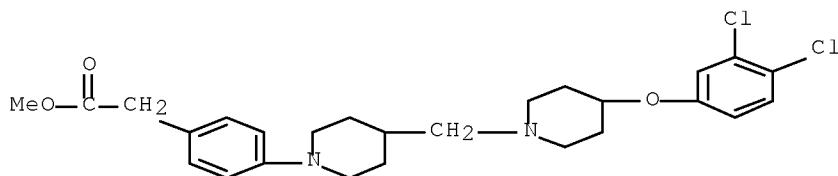
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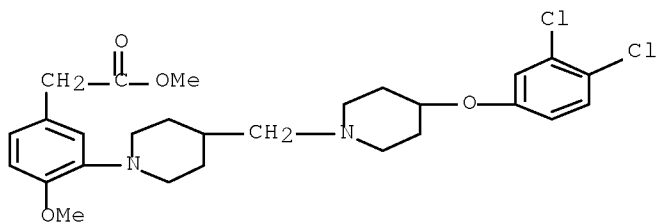
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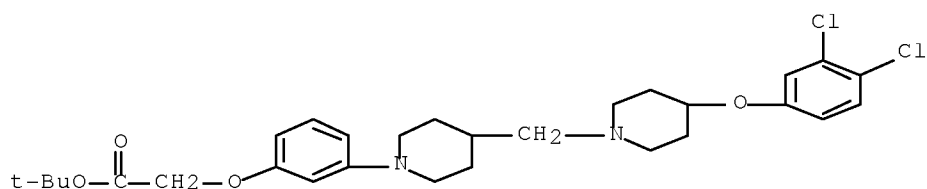
RN 867219-00-9 CAPLUS

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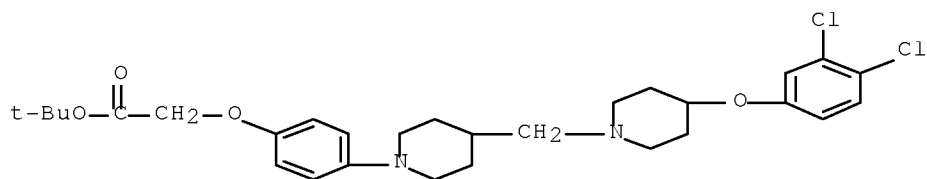
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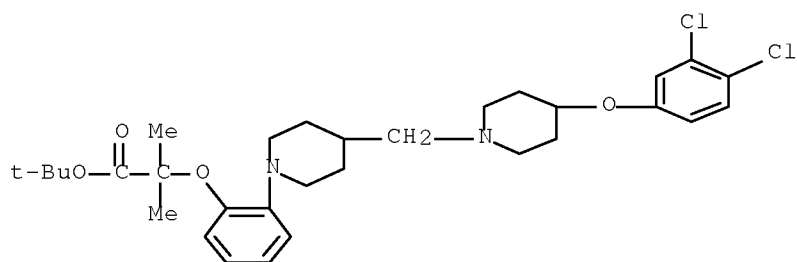
RN 867219-03-2 CAPLUS

CN Acetic acid, 2-[4-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]phenoxy]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 867219-04-3 CAPLUS

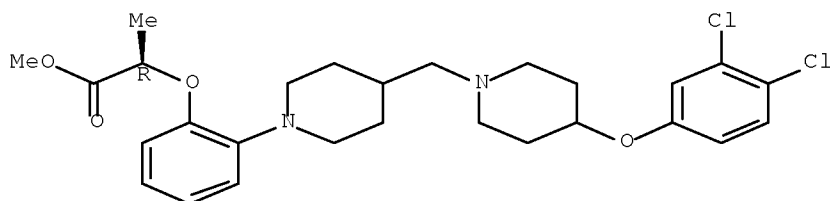
CN Propanoic acid, 2-[2-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]phenoxy]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 867219-05-4 CAPLUS

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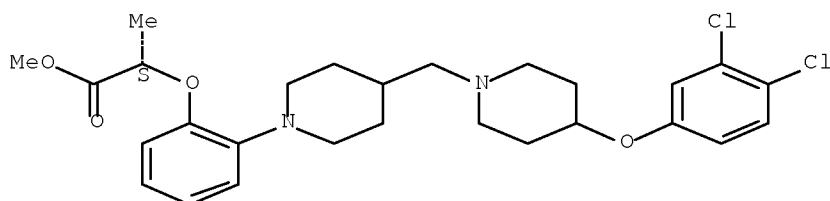
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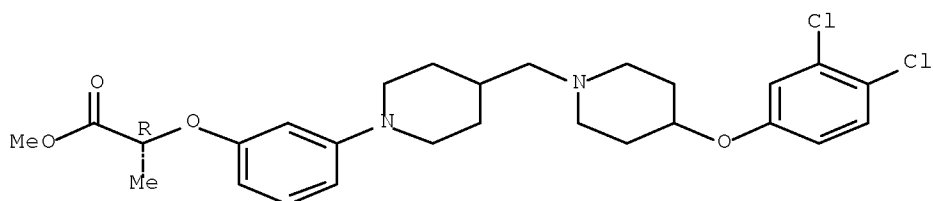
Absolute stereochemistry.



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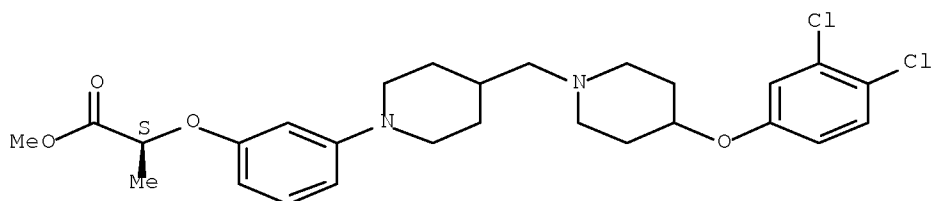
Absolute stereochemistry.



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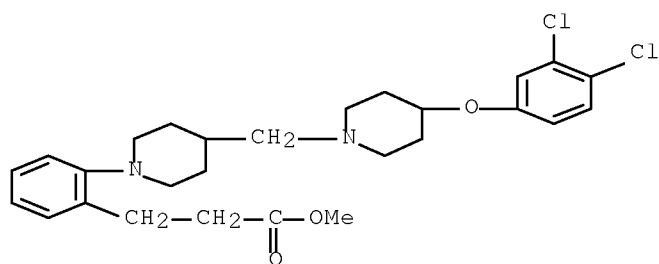
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Absolute stereochemistry.



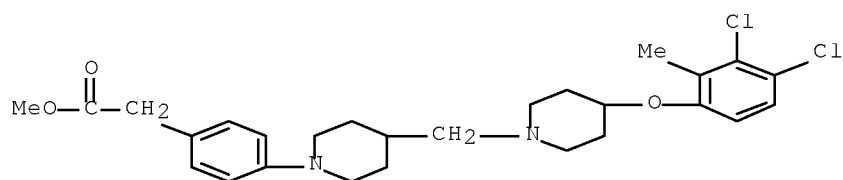
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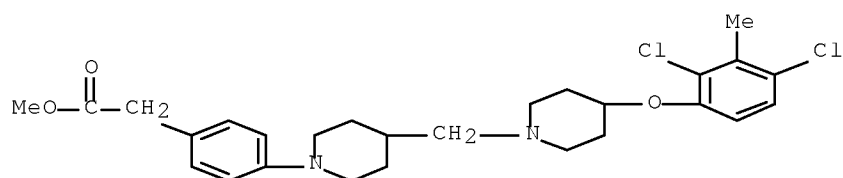
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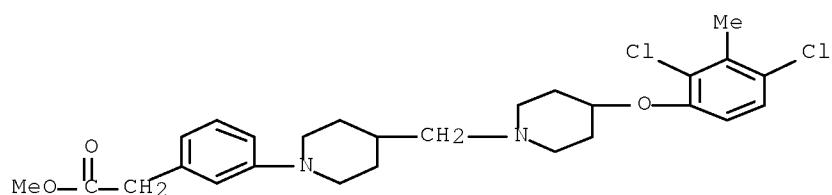
RN 867219-11-2 CAPLUS

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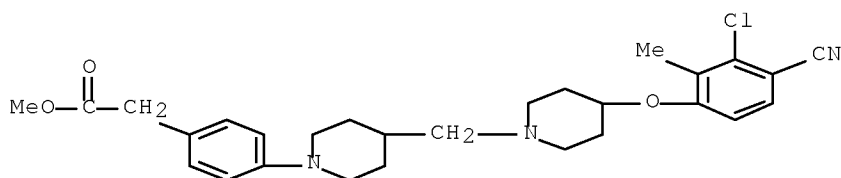
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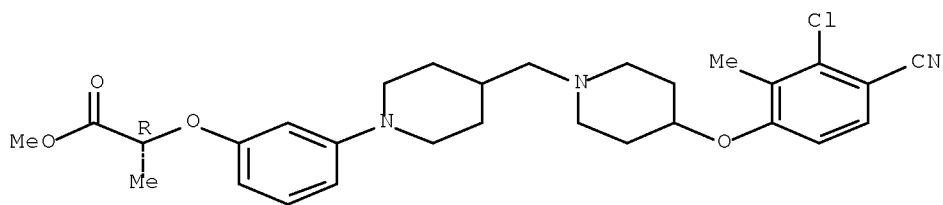
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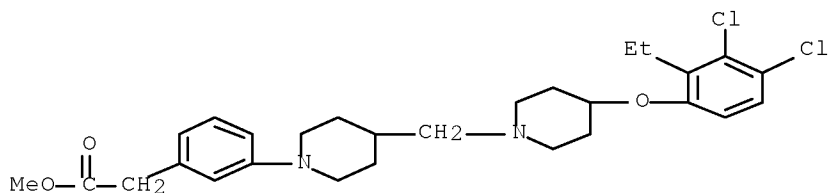
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Absolute stereochemistry.



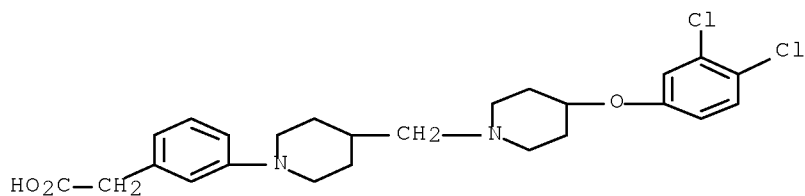
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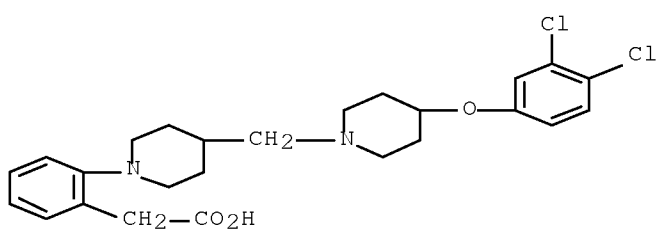
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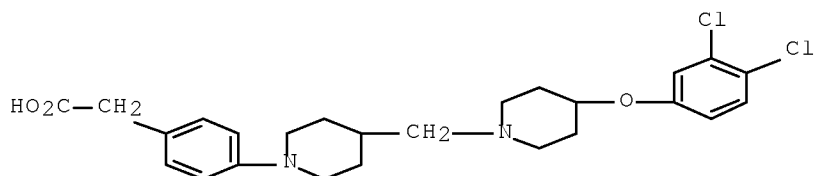
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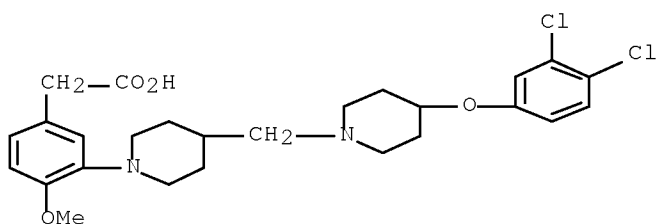
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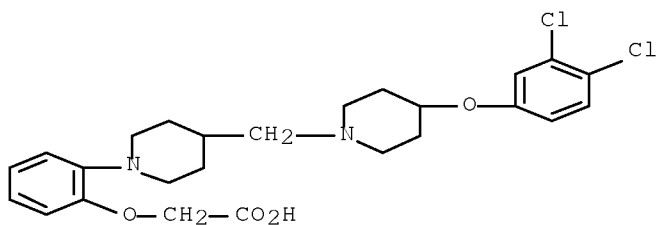
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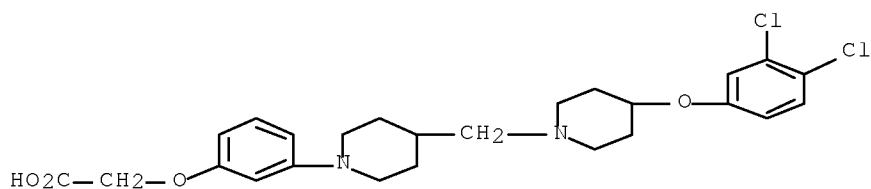
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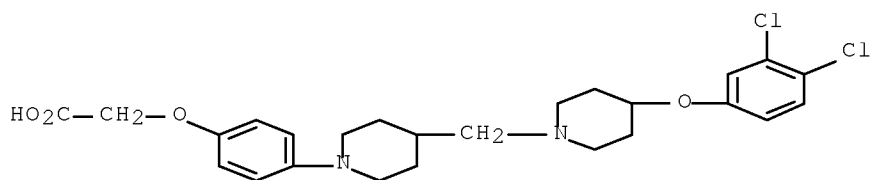
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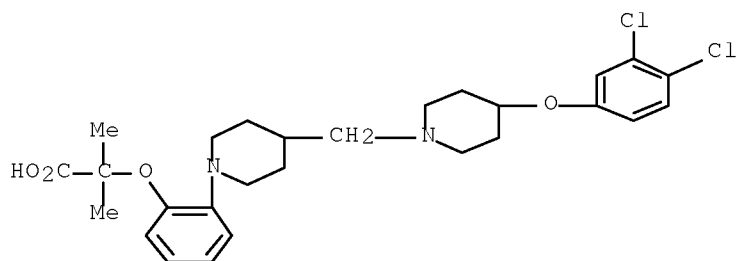
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RN 867219-24-7 CAPLUS

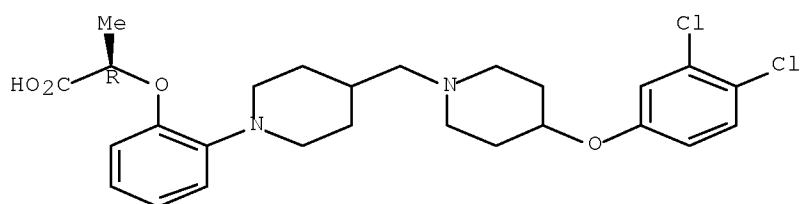
CN Propanoic acid, 2-[2-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]phenoxy]-2-methyl- (CA INDEX NAME)



RN 867219-25-8 CAPLUS

CN Propanoic acid, 2-[2-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]phenoxy]-, (2R)- (CA INDEX NAME)

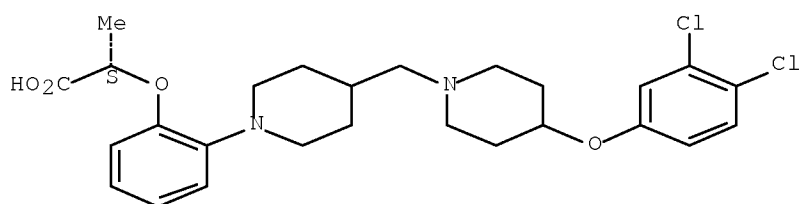
Absolute stereochemistry.



RN 867219-26-9 CAPLUS

CN Propanoic acid, 2-[2-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]phenoxy]-, (2S)- (CA INDEX NAME)

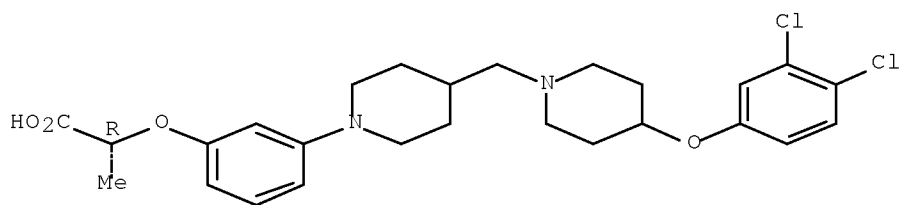
Absolute stereochemistry.



RN 867219-27-0 CAPLUS

CN Propanoic acid, 2-[3-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]phenoxy]-, (2R)- (CA INDEX NAME)

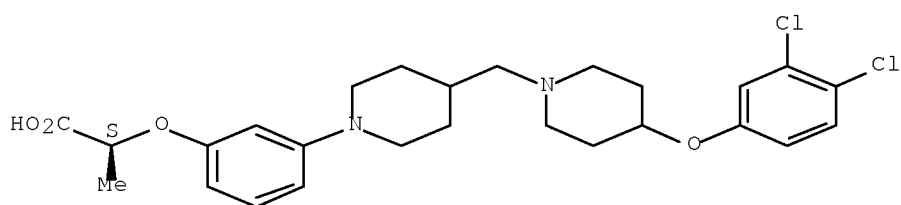
Absolute stereochemistry.



RN 867219-28-1 CAPLUS

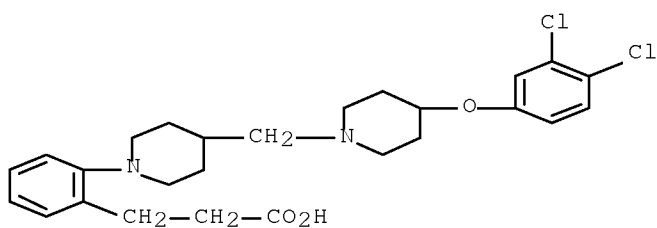
CN Propanoic acid, 2-[3-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]phenoxy]-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



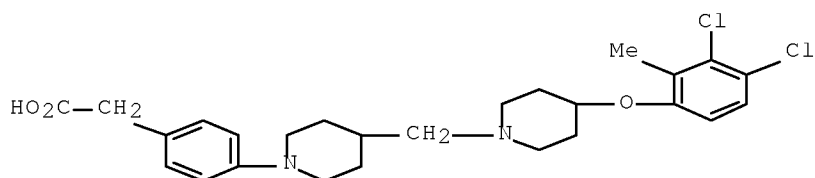
RN 867219-29-2 CAPLUS

CN Benzenepropanoic acid, 2-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



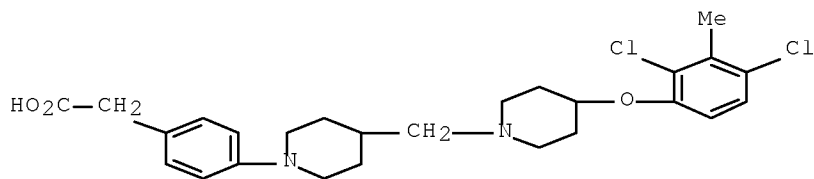
RN 867219-30-5 CAPLUS

CN Benzeneacetic acid, 4-[4-[[4-(3,4-dichloro-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



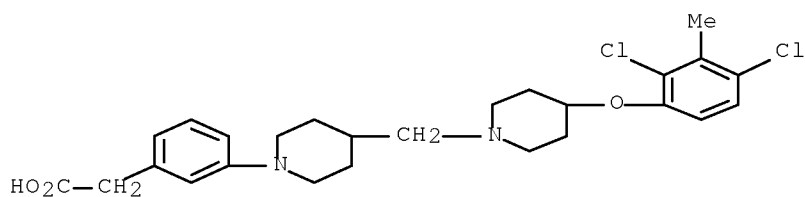
RN 867219-31-6 CAPLUS

CN Benzeneacetic acid, 4-[4-[[4-(2,4-dichloro-3-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



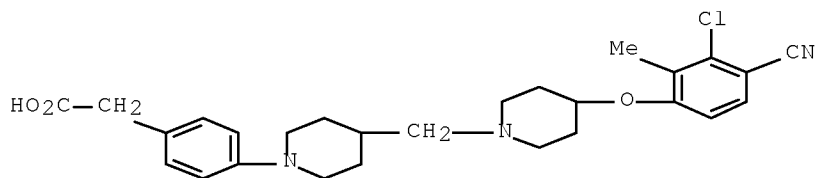
RN 867219-32-7 CAPLUS

CN Benzeneacetic acid, 3-[4-[[4-(2,4-dichloro-3-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



RN 867219-33-8 CAPLUS

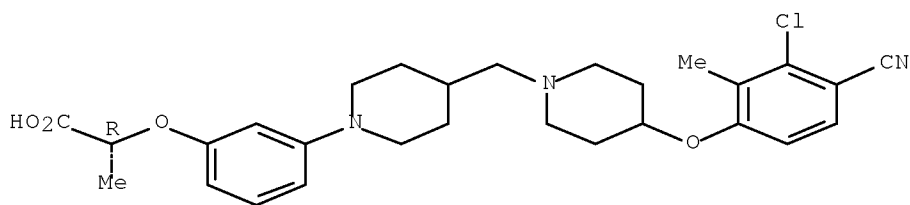
CN Benzeneacetic acid, 4-[4-[[4-(3-chloro-4-cyano-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



RN 867219-34-9 CAPLUS

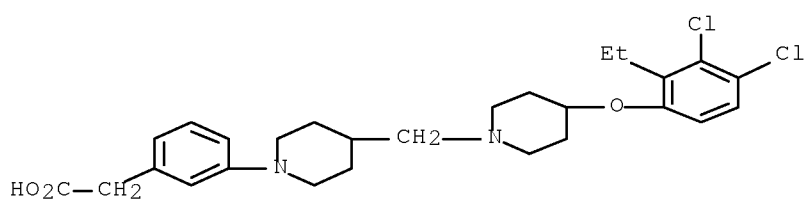
CN Propanoic acid, 2-[3-[4-[[4-(3-chloro-4-cyano-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]phenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



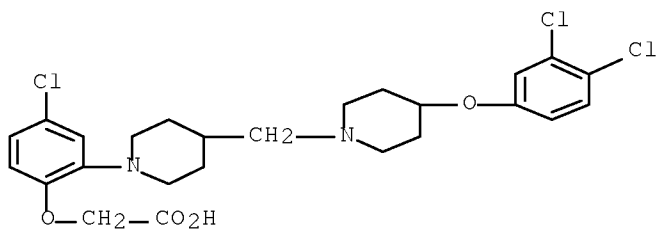
RN 867219-35-0 CAPLUS

CN Benzeneacetic acid, 3-[4-[[4-(3,4-dichloro-2-ethylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



RN 867219-36-1 CAPLUS

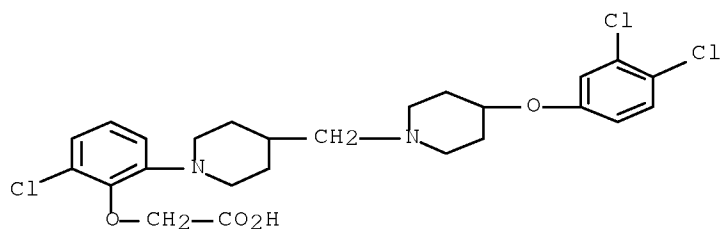
CN Acetic acid, 2-[4-chloro-2-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]phenoxy]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

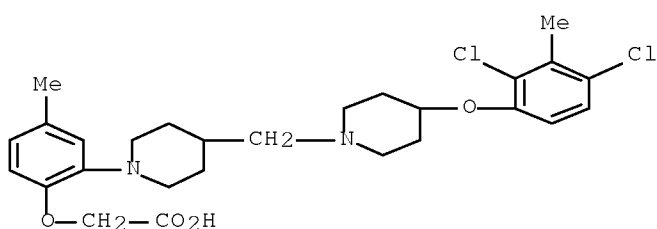
RN 867219-37-2 CAPLUS

CN Acetic acid, 2-[2-chloro-6-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]phenoxy]- (CA INDEX NAME)



RN 867219-38-3 CAPLUS

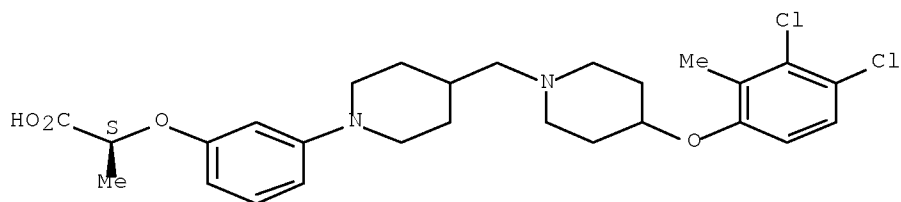
CN Acetic acid, 2-[2-[4-[[4-(2,4-dichloro-3-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-4-methylphenoxy]- (CA INDEX NAME)



RN 867219-40-7 CAPLUS

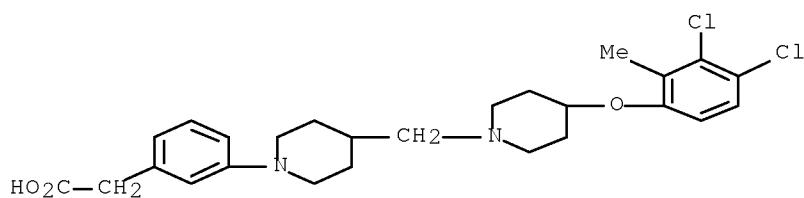
CN Propanoic acid, 2-[3-[4-[[4-(3,4-dichloro-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]phenoxy]-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



RN 867219-41-8 CAPLUS

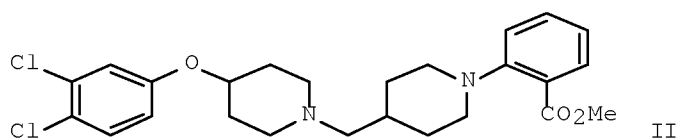
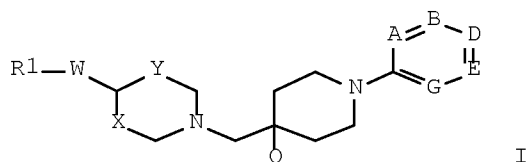
CN Benzeneacetic acid, 3-[4-[[4-(3,4-dichloro-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN DUPLICATE 2
 ACCESSION NUMBER: 2004:996129 CAPLUS Full-text
 DOCUMENT NUMBER: 141:424114
 TITLE: Preparation of 1-aryl (aryloxy)- or (arylmethyl)piperidinemethylpiperidines as histamine H1 receptor binding agents for treatment of chemokine-mediated diseases
 INVENTOR(S): Luckhurst, Christopher; Mochel, Tobias; Perry, Matthew; Springthorpe, Brian; Stein, Linda
 PATENT ASSIGNEE(S): Astrazeneca Ab, Swed.
 SOURCE: PCT Int. Appl., 72 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004099144	A1	20041118	WO 2004-SE693	20040506
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1625114	A1	20060215	EP 2004-731523	20040506
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
JP 2006525996	T	20061116	JP 2006-508044	20040506
AT 406353	T	20080915	AT 2004-731523	20040506
US 20060264463	A1	20061123	US 2005-556107	20051108
PRIORITY APPLN. INFO.:			SE 2003-1368	A 20030509
			WO 2004-SE693	W 20040506
OTHER SOURCE(S):		MARPAT 141:424114		
GI				



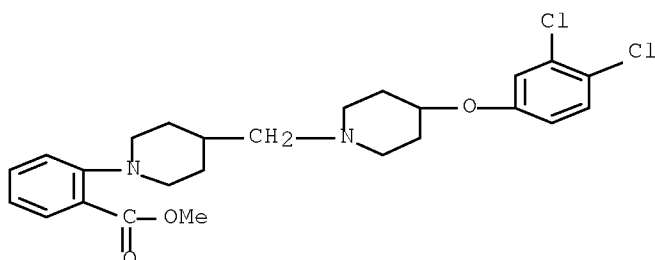
AB Compds. I [A, B, D, E, G = R⁵O₂CC, R²C, HC, N; Q = H, HO; W = alkylimino, NH, O, H₂C; X = (CH₂)_m; Y = (CH₂)_n; R¹ = (un)substituted phenyl; R² = H, halo, NC, alkyl, haloalkyl, alkoxy, haloalkoxy; R⁵ = H, alkyl, PhCH₂; m, n = 0, 1] such as II are prepared as histamine H₁ receptor binding agents for the treatment of chemokine-mediated diseases. E.g., reductive amination of 4-(3,4-dichlorophenoxy)piperidine with 1-Boc-4-formylpiperidine and sodium triacetoxyborohydride, cleavage of the Boc group with trifluoroacetic acid, and nucleophilic aromatic substitution of Me 2-fluorobenzoate with the aryloxypiperidinemethylpiperidine yields II. The pK_i values for displacement of a ligand from human histamine H₁ receptors are determined for some of the invention compds. E.g., II displaces a ligand from human histamine H₁ receptors with a pK_i value of 8.6. Methods for preparing the title compds. are claimed.

IT 796592-57-9P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(invention compound; preparation of 1-aryl (aryloxy)- or (arylmethyl)piperidinemethylpiperidines as histamine H₁ receptor binding agents for treatment of chemokine-mediated diseases)

RN 796592-57-9 CAPLUS

CN Benzoic acid, 2-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-, methyl ester (CA INDEX NAME)



IT 796592-63-7P 796592-67-1P 796592-73-9P
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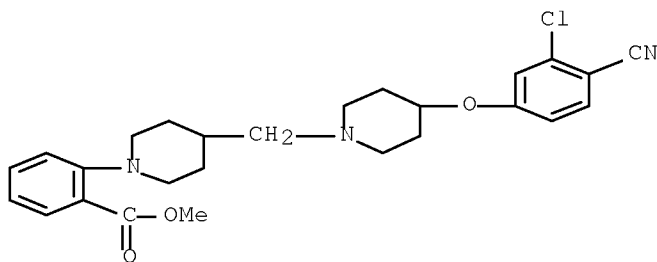
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 796599-40-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(invention compound; preparation of 1-aryl (aryloxy)- or
 (arylmethyl)piperidinemethylpiperidines as histamine H1 receptor
 binding agents for treatment of chemokine-mediated diseases)

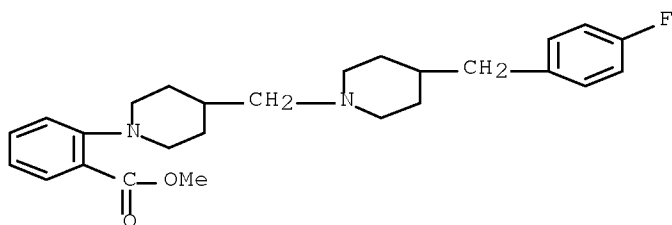
RN 796592-63-7 CAPLUS

CN Benzoic acid, 2-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-
 piperidinyl]-, methyl ester (CA INDEX NAME)



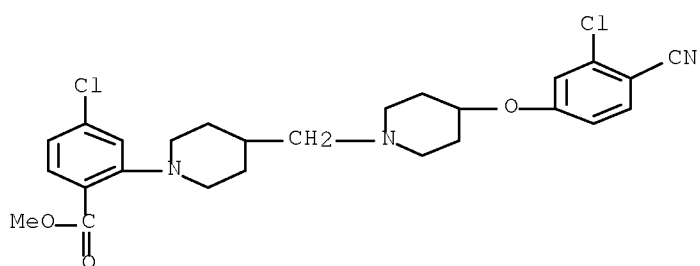
RN 796592-67-1 CAPLUS

CN Benzoic acid, 2-[4-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-1-
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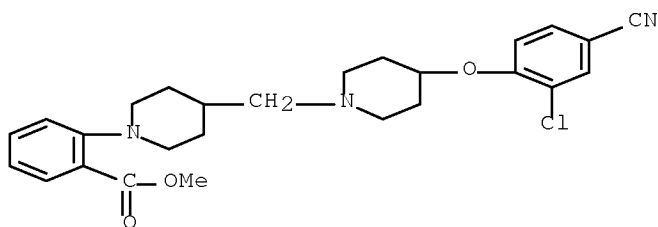
RN 796592-73-9 CAPLUS

CN Benzoic acid, 4-chloro-2-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-, methyl ester (CA INDEX NAME)



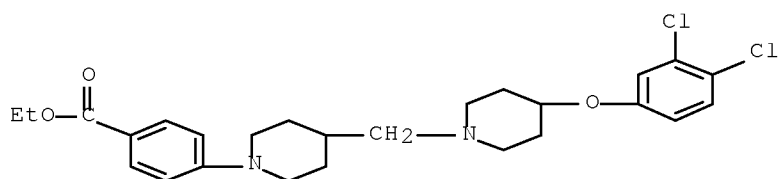
RN 796592-79-5 CAPLUS

CN Benzoic acid, 2-[4-[[4-(2-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-, methyl ester (CA INDEX NAME)



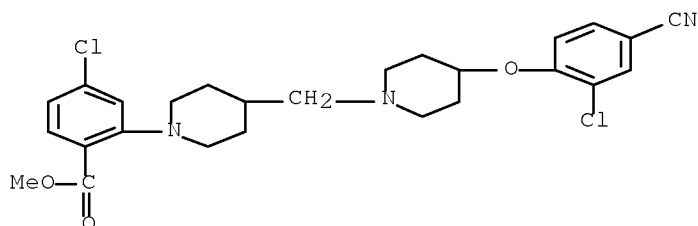
RN 796592-84-2 CAPLUS

CN Benzoic acid, 4-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-, ethyl ester (CA INDEX NAME)



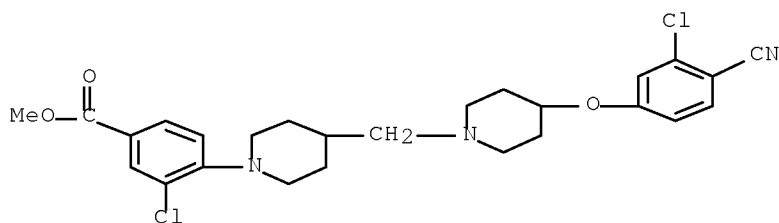
RN 796592-90-0 CAPLUS

CN Benzoic acid, 4-chloro-2-[4-[[4-(2-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-, methyl ester (CA INDEX NAME)



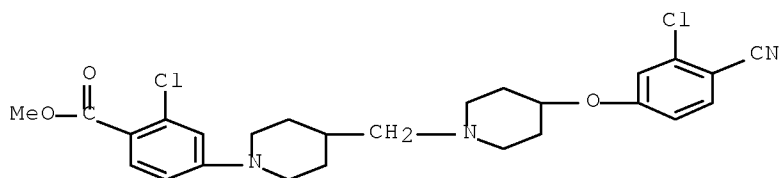
RN 796592-95-5 CAPLUS

CN Benzoic acid, 3-chloro-4-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-, methyl ester (CA INDEX NAME)



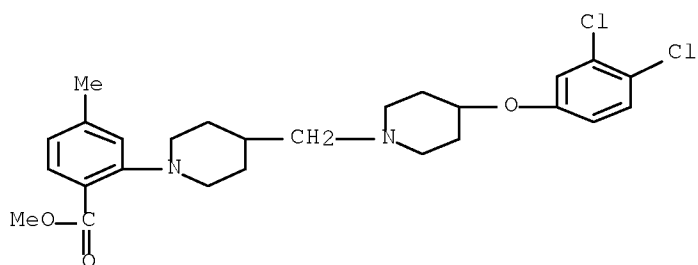
RN 796593-01-6 CAPLUS

CN Benzoic acid, 2-chloro-4-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-, methyl ester (CA INDEX NAME)



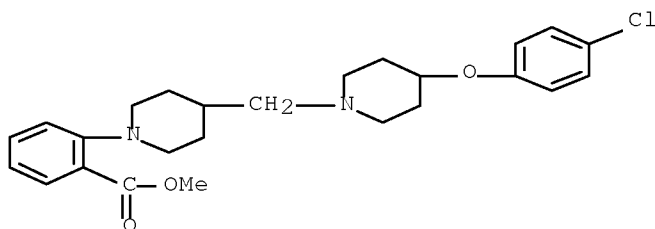
RN 796593-07-2 CAPLUS

CN Benzoic acid, 2-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-4-methyl-, methyl ester (CA INDEX NAME)



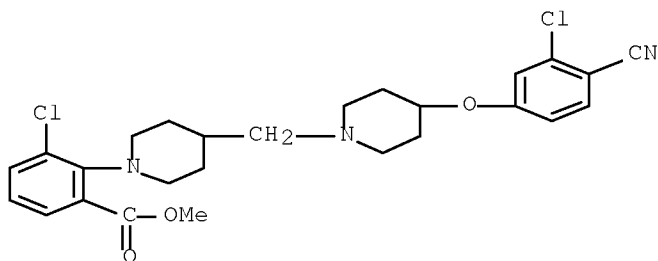
RN 796593-11-8 CAPLUS

CN Benzoic acid, 2-[4-[[4-(4-chlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-, methyl ester (CA INDEX NAME)



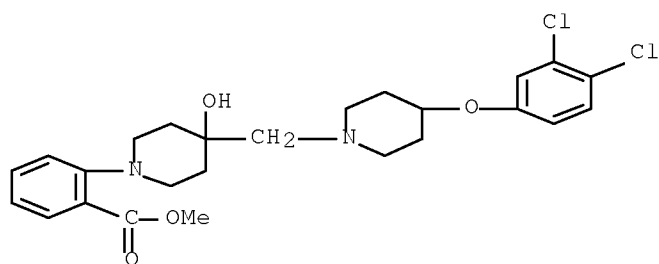
RN 796593-17-4 CAPLUS

CN Benzoic acid, 3-chloro-2-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-, methyl ester (CA INDEX NAME)



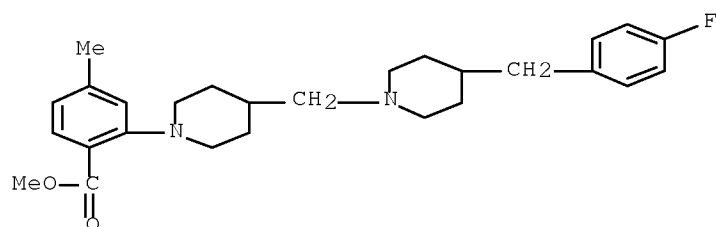
RN 796593-23-2 CAPLUS

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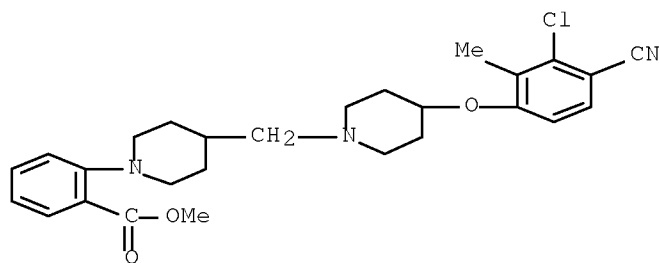
RN 796593-27-6 CAPLUS

CN Benzoic acid, 2-[4-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-1-piperidinyl]-4-methyl-, methyl ester (CA INDEX NAME)



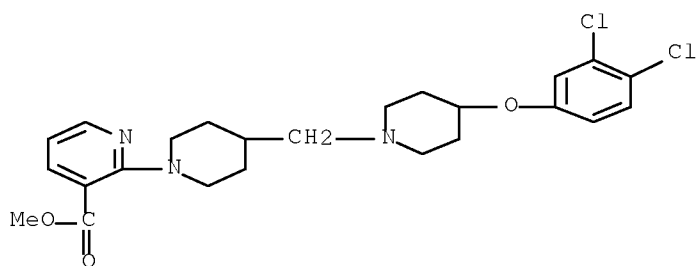
RN 796593-67-4 CAPLUS

CN Benzoic acid, 2-[4-[[4-(3-chloro-4-cyano-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-, methyl ester (CA INDEX NAME)



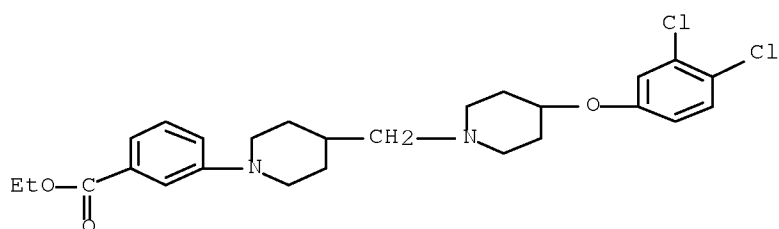
RN 796593-77-6 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-, methyl ester (CA INDEX NAME)



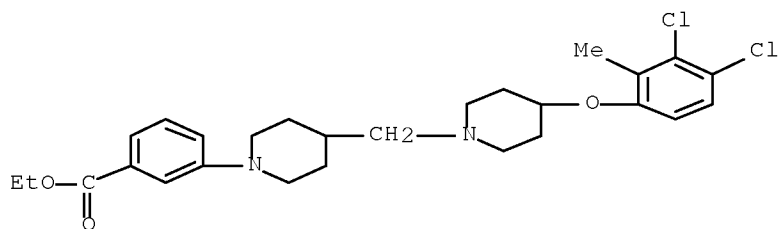
RN 796593-83-4 CAPLUS

CN Benzoic acid, 3-[4-[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-, ethyl ester (CA INDEX NAME)



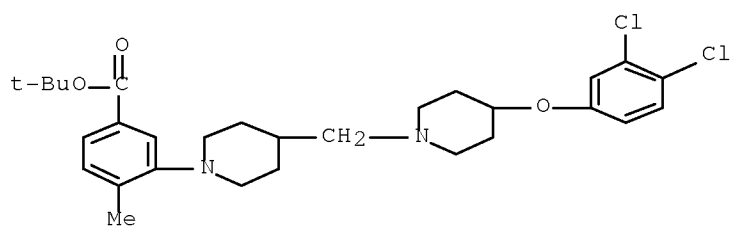
RN 796593-89-0 CAPLUS

CN Benzoic acid, 3-[4-[4-(3,4-dichloro-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-, ethyl ester (CA INDEX NAME)



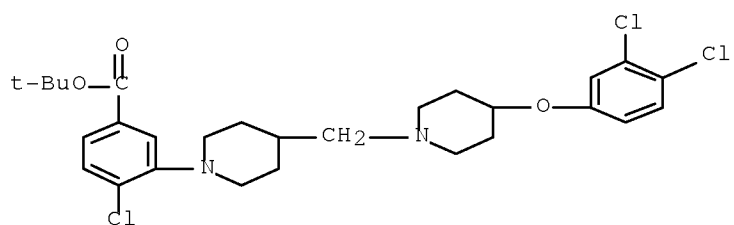
RN 796593-96-9 CAPLUS

CN Benzoic acid, 3-[4-[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-4-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



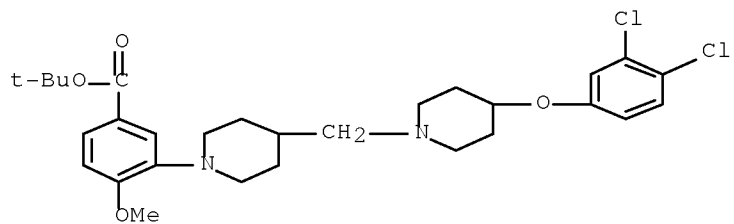
RN 796594-00-8 CAPLUS

CN Benzoic acid, 4-chloro-3-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



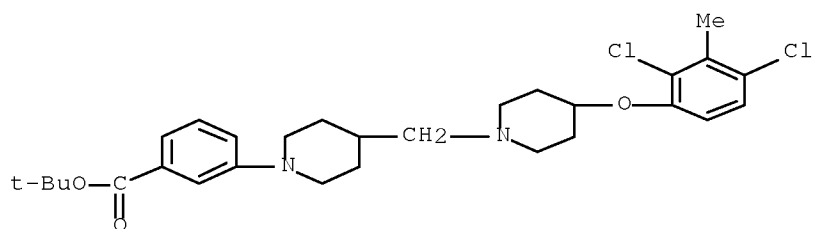
RN 796594-07-5 CAPLUS

CN Benzoic acid, 3-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-4-methoxy-, 1,1-dimethylethyl ester (CA INDEX NAME)



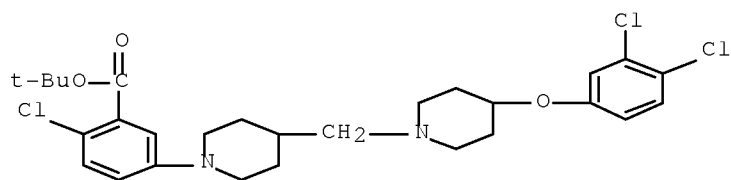
RN 796594-13-3 CAPLUS

CN Benzoic acid, 3-[4-[[4-(2,4-dichloro-3-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



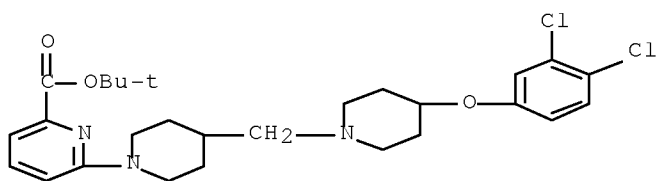
RN 796594-18-8 CAPLUS

CN Benzoic acid, 2-chloro-5-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



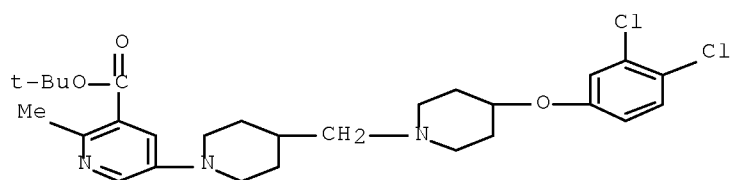
RN 796594-25-7 CAPLUS

CN 2-Pyridinecarboxylic acid, 6-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



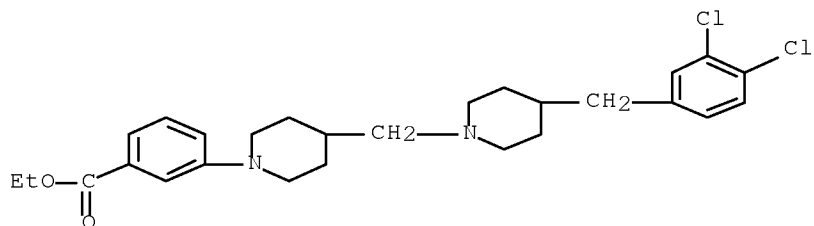
RN 796594-30-4 CAPLUS

CN 3-Pyridinecarboxylic acid, 5-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-2-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



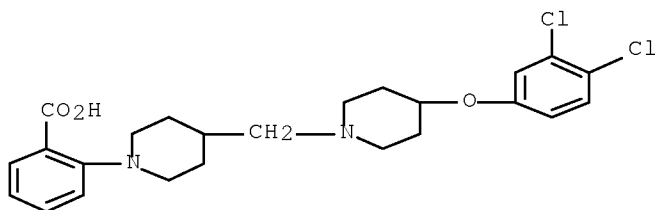
RN 796594-38-2 CAPLUS

CN Benzoic acid, 3-[4-[[4-[(3,4-dichlorophenyl)methyl]-1-piperidinyl]methyl]-1-piperidinyl]-, ethyl ester (CA INDEX NAME)



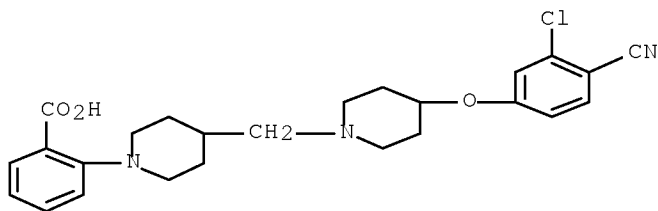
RN 796594-43-9 CAPLUS

CN Benzoic acid, 2-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



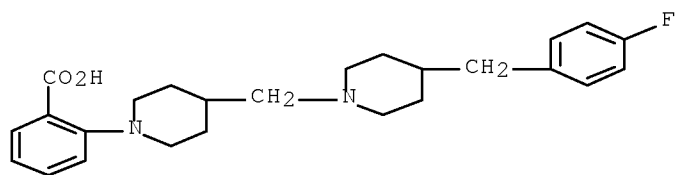
RN 796594-50-8 CAPLUS

CN Benzoic acid, 2-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



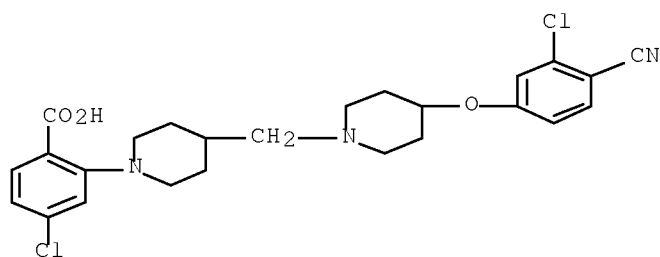
RN 796594-56-4 CAPLUS

CN Benzoic acid, 2-[4-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



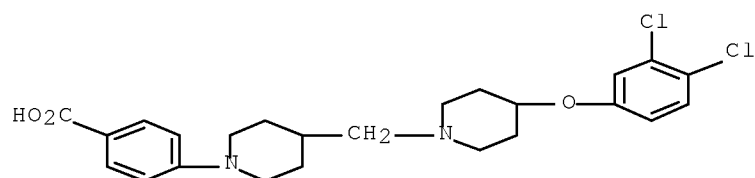
RN 796594-63-3 CAPLUS

CN Benzoic acid, 4-chloro-2-[4-[4-[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



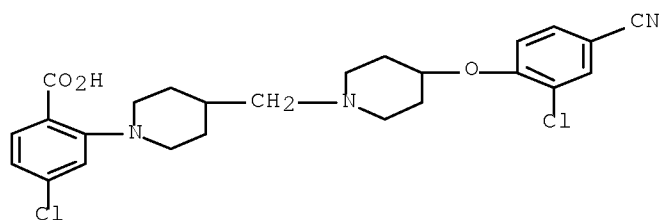
RN 796594-76-8 CAPLUS

CN Benzoic acid, 4-[4-[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



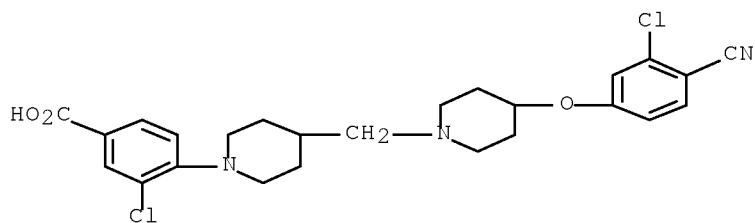
RN 796594-82-6 CAPLUS

CN Benzoic acid, 4-chloro-2-[4-[4-[4-(2-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



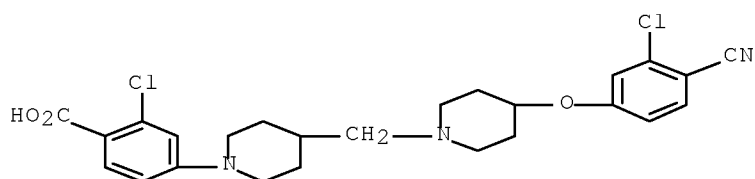
RN 796594-86-0 CAPLUS

CN Benzoic acid, 3-chloro-4-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



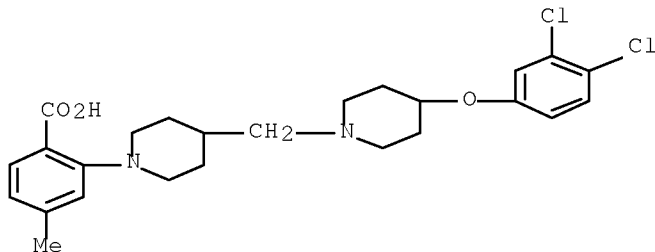
RN 796594-94-0 CAPLUS

CN Benzoic acid, 2-chloro-4-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



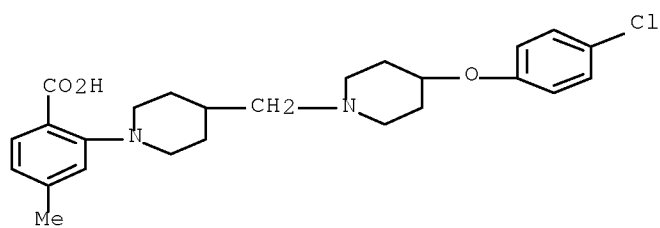
RN 796595-00-1 CAPLUS

CN Benzoic acid, 2-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-4-methyl- (CA INDEX NAME)



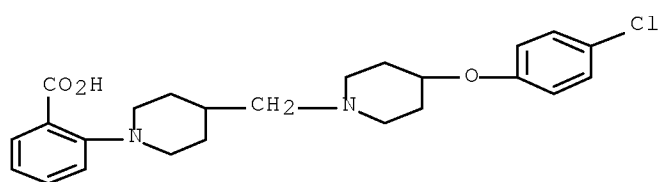
RN 796595-08-9 CAPLUS

CN Benzoic acid, 2-[4-[[4-(4-chlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-4-methyl- (CA INDEX NAME)



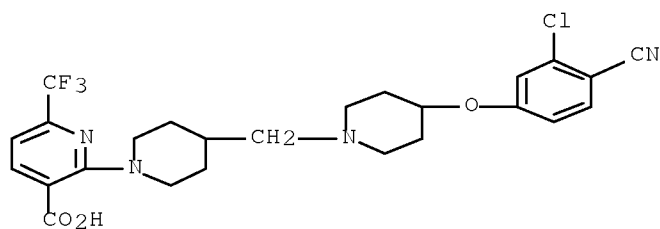
RN 796595-14-7 CAPLUS

CN Benzoic acid, 2-[4-[[4-(4-chlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



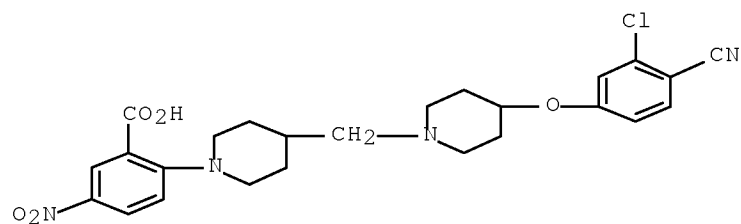
RN 796595-21-6 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-6-(trifluoromethyl)- (CA INDEX NAME)



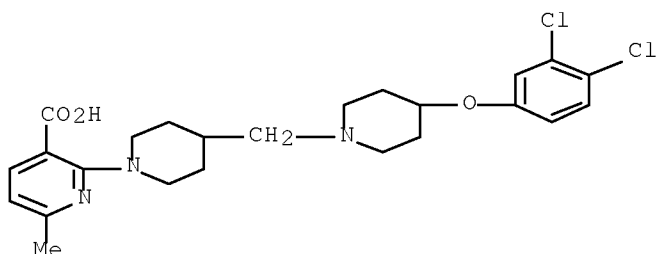
RN 796595-28-3 CAPLUS

CN Benzoic acid, 2-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-5-nitro- (CA INDEX NAME)



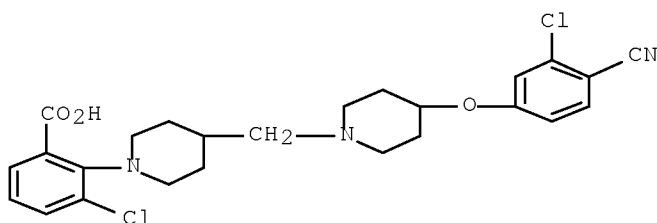
RN 796595-35-2 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-6-methyl- (CA INDEX NAME)



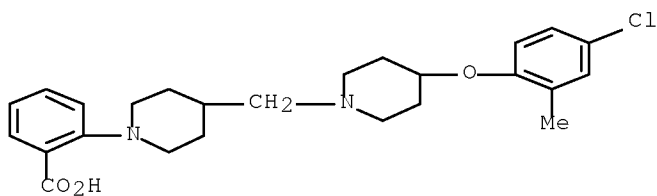
RN 796595-42-1 CAPLUS

CN Benzoic acid, 3-chloro-2-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



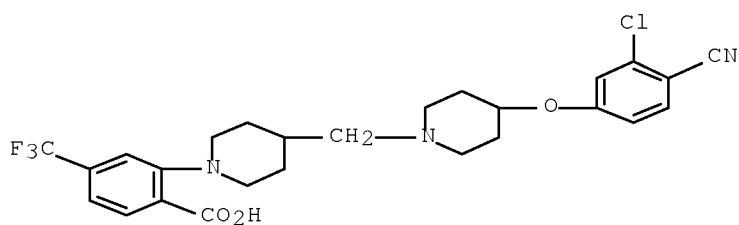
RN 796595-48-7 CAPLUS

CN Benzoic acid, 2-[4-[[4-(4-chloro-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



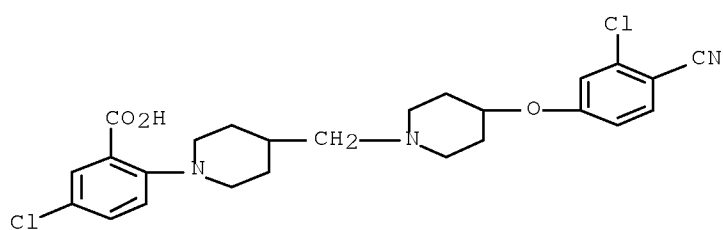
RN 796595-55-6 CAPLUS

CN Benzoic acid, 2-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-4-(trifluoromethyl)- (CA INDEX NAME)



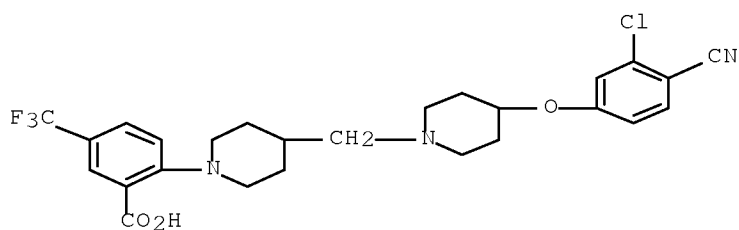
RN 796595-60-3 CAPLUS

CN Benzoic acid, 5-chloro-2-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



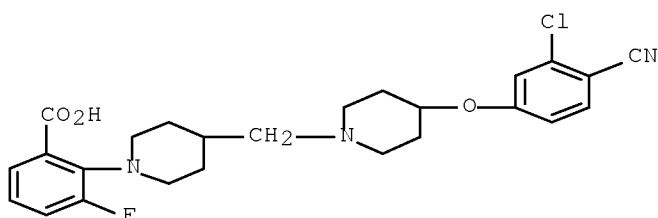
RN 796595-68-1 CAPLUS

CN Benzoic acid, 2-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-5-(trifluoromethyl)- (CA INDEX NAME)



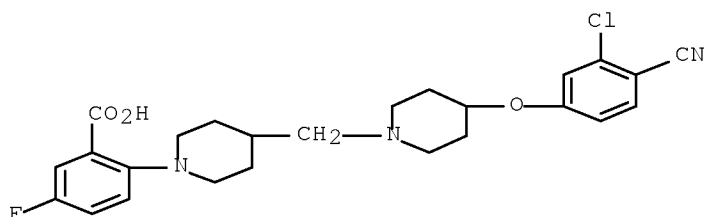
RN 796595-73-8 CAPLUS

CN Benzoic acid, 2-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-3-fluoro- (CA INDEX NAME)



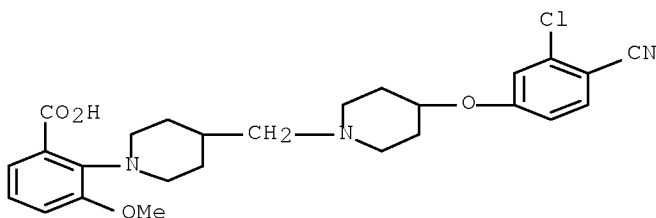
RN 796595-80-7 CAPLUS

CN Benzoic acid, 2-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-5-fluoro- (CA INDEX NAME)



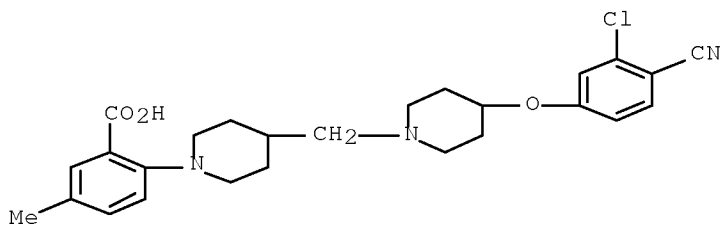
RN 796595-86-3 CAPLUS

CN Benzoic acid, 2-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-3-methoxy- (CA INDEX NAME)



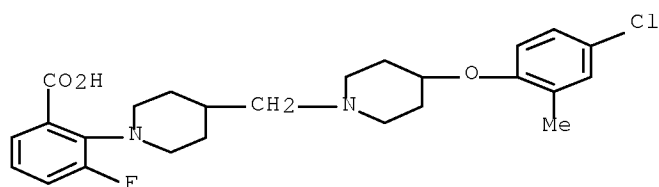
RN 796595-94-3 CAPLUS

CN Benzoic acid, 2-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-5-methyl- (CA INDEX NAME)



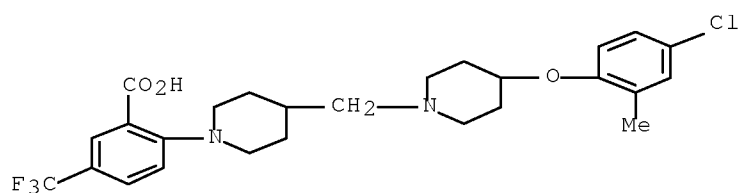
RN 796596-01-5 CAPLUS

CN Benzoic acid, 2-[4-[[4-(4-chloro-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-3-fluoro- (CA INDEX NAME)



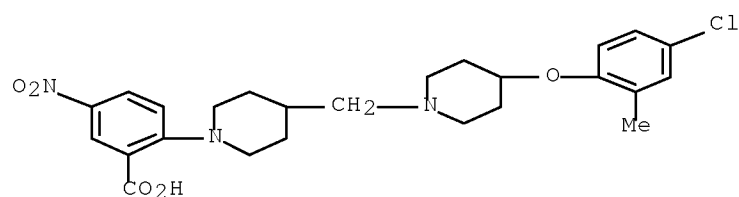
RN 796596-08-2 CAPLUS

CN Benzoic acid, 2-[4-[[4-(4-chloro-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-5-(trifluoromethyl)- (CA INDEX NAME)



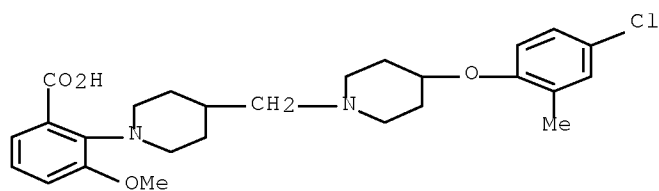
RN 796596-15-1 CAPLUS

CN Benzoic acid, 2-[4-[[4-(4-chloro-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-5-nitro- (CA INDEX NAME)



RN 796596-22-0 CAPLUS

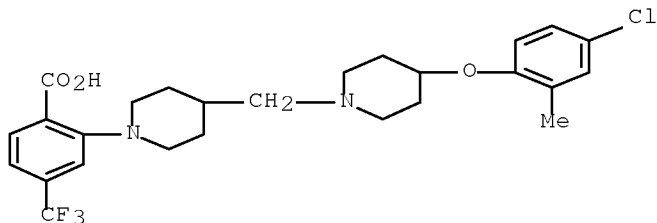
CN Benzoic acid, 2-[4-[[4-(4-chloro-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-3-methoxy- (CA INDEX NAME)



RN 796596-29-7 CAPLUS

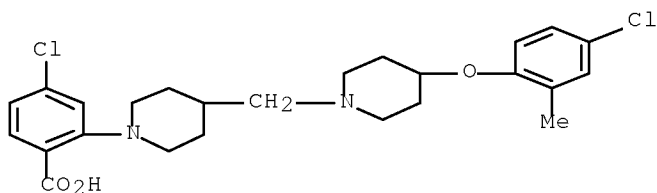
CN Benzoic acid, 2-[4-[[4-(4-chloro-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-1-methoxy- (CA INDEX NAME)

piperidinyl]-4-(trifluoromethyl)- (CA INDEX NAME)



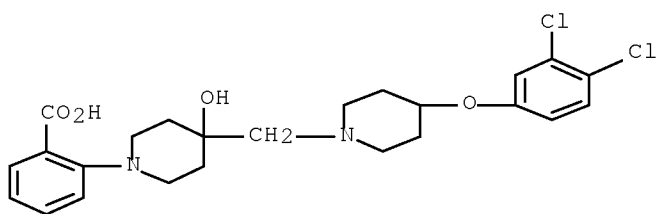
RN 796596-36-6 CAPLUS

CN Benzoic acid, 4-chloro-2-[4-[[4-(4-chloro-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



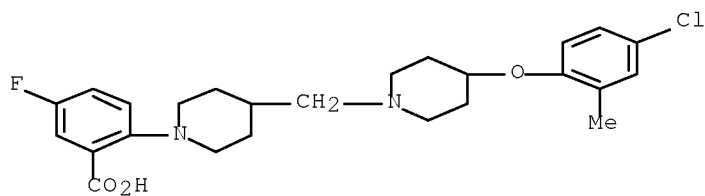
RN 796596-44-6 CAPLUS

CN Benzoic acid, 2-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-4-hydroxy-1-piperidinyl]- (CA INDEX NAME)



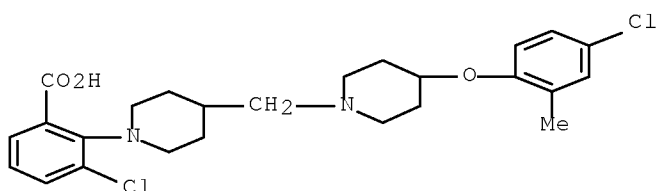
RN 796596-52-6 CAPLUS

CN Benzoic acid, 2-[4-[[4-(4-chloro-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-5-fluoro- (CA INDEX NAME)



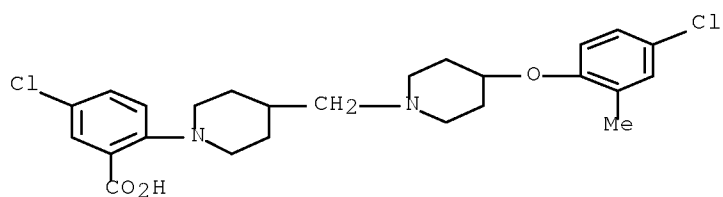
RN 796596-59-3 CAPLUS

CN Benzoic acid, 3-chloro-2-[4-[[4-(4-chloro-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



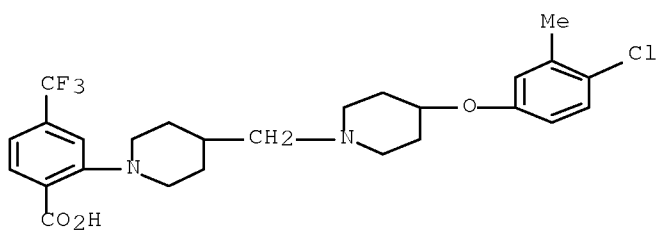
RN 796596-67-3 CAPLUS

CN Benzoic acid, 5-chloro-2-[4-[[4-(4-chloro-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



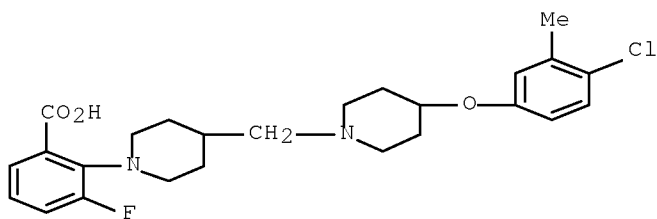
RN 796596-73-1 CAPLUS

CN Benzoic acid, 2-[4-[[4-(4-chloro-3-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-4-(trifluoromethyl)- (CA INDEX NAME)



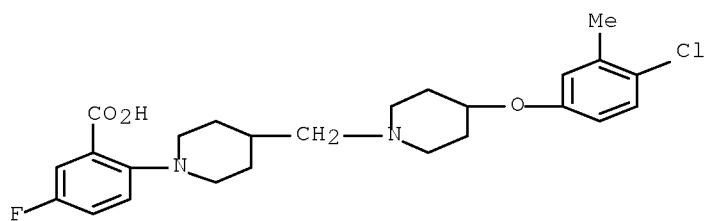
RN 796596-80-0 CAPLUS

CN Benzoic acid, 2-[4-[[4-(4-chloro-3-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-3-fluoro- (CA INDEX NAME)



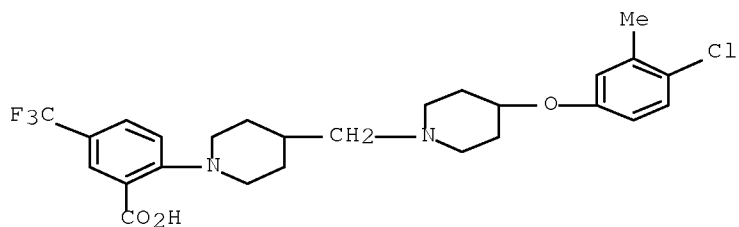
RN 796596-86-6 CAPLUS

CN Benzoic acid, 2-[4-[[4-(4-chloro-3-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-5-fluoro- (CA INDEX NAME)



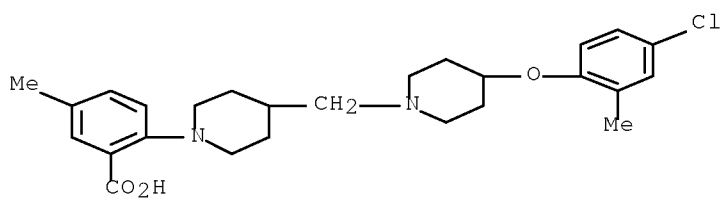
RN 796596-91-3 CAPLUS

CN Benzoic acid, 2-[4-[[4-(4-chloro-3-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-5-(trifluoromethyl)- (CA INDEX NAME)



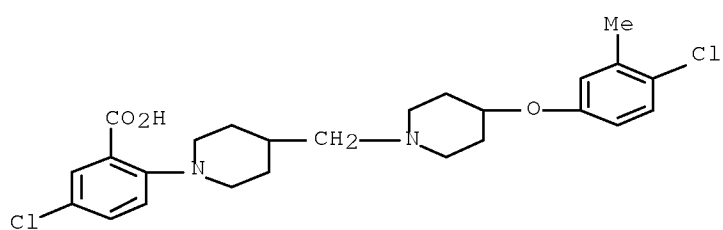
RN 796596-99-1 CAPLUS

CN Benzoic acid, 2-[4-[[4-(4-chloro-2-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-5-methyl- (CA INDEX NAME)



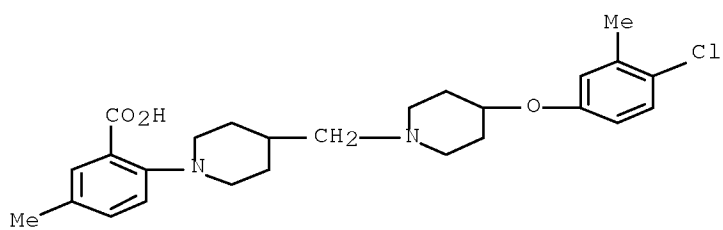
RN 796597-04-1 CAPLUS

CN Benzoic acid, 5-chloro-2-[4-[[4-(4-chloro-3-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



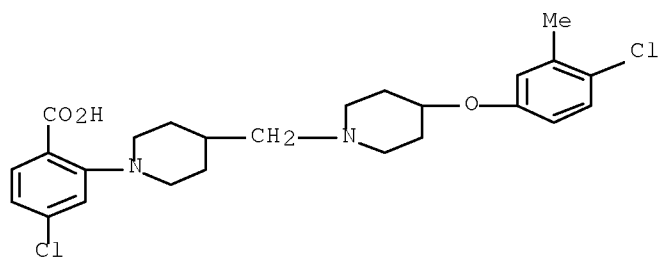
RN 796597-13-2 CAPLUS

CN Benzoic acid, 2-[4-[[4-(4-chloro-3-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-5-methyl- (CA INDEX NAME)



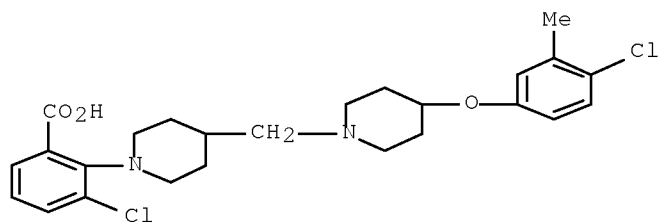
RN 796597-18-7 CAPLUS

CN Benzoic acid, 4-chloro-2-[4-[[4-(4-chloro-3-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



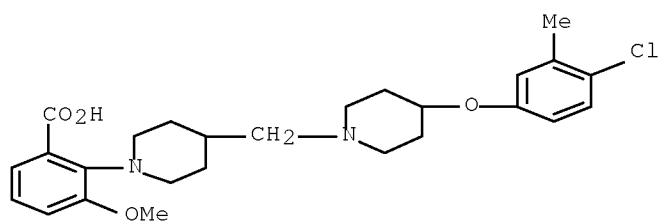
RN 796597-25-6 CAPLUS

CN Benzoic acid, 3-chloro-2-[4-[[4-(4-chloro-3-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



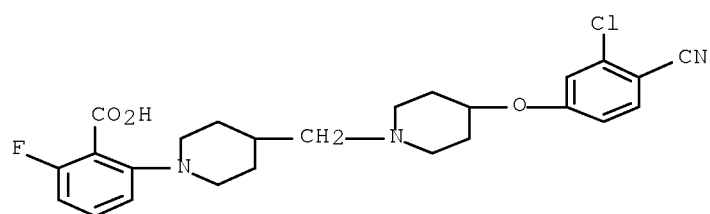
RN 796597-31-4 CAPLUS

CN Benzoic acid, 2-[4-[[4-(4-chloro-3-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-3-methoxy- (CA INDEX NAME)



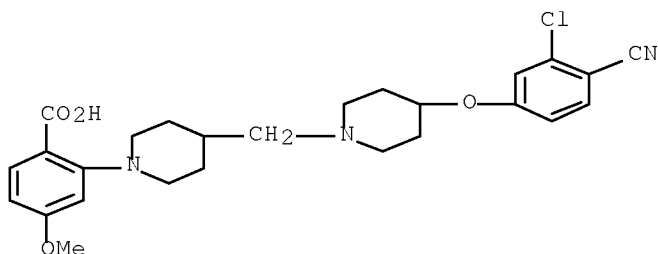
RN 796597-38-1 CAPLUS

CN Benzoic acid, 2-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-6-fluoro- (CA INDEX NAME)



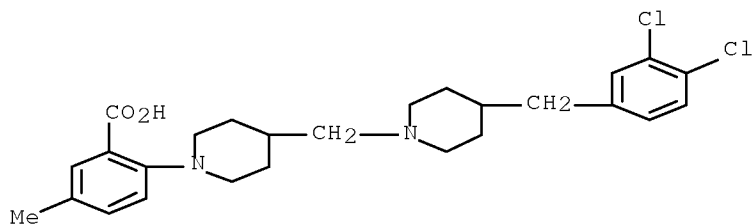
RN 796597-46-1 CAPLUS

CN Benzoic acid, 2-[4-[[4-(3-chloro-4-cyanophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-4-methoxy- (CA INDEX NAME)



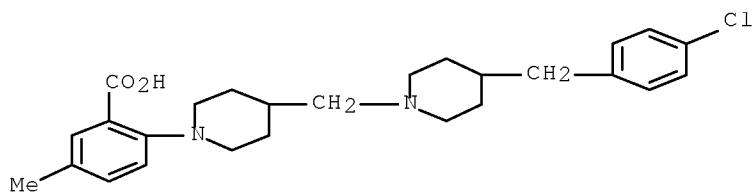
RN 796597-53-0 CAPLUS

CN Benzoic acid, 2-[4-[[4-[(3,4-dichlorophenyl)methyl]-1-piperidinyl]methyl]-1-piperidinyl]-5-methyl- (CA INDEX NAME)



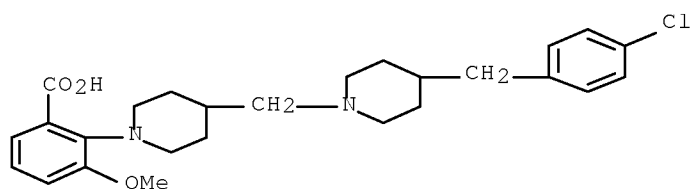
RN 796597-60-9 CAPLUS

CN Benzoic acid, 2-[4-[[4-[(4-chlorophenyl)methyl]-1-piperidinyl]methyl]-1-piperidinyl]-5-methyl- (CA INDEX NAME)



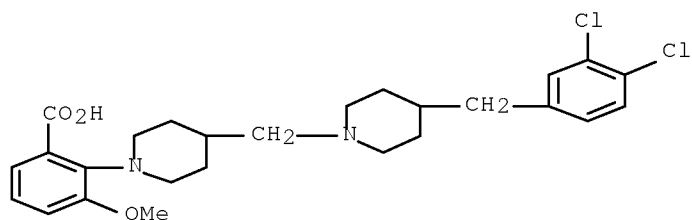
RN 796597-68-7 CAPLUS

CN Benzoic acid, 2-[4-[[4-[(4-chlorophenyl)methyl]-1-piperidinyl]methyl]-1-piperidinyl]-3-methoxy- (CA INDEX NAME)



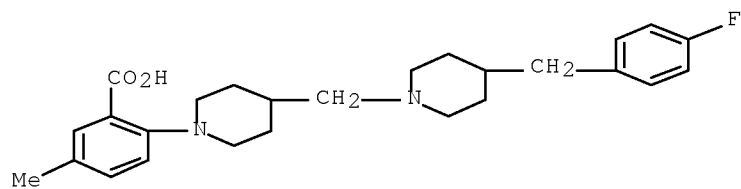
RN 796597-75-6 CAPLUS

CN Benzoic acid, 2-[4-[[4-[(3,4-dichlorophenyl)methyl]-1-piperidinyl]methyl]-1-piperidinyl]-3-methoxy- (CA INDEX NAME)



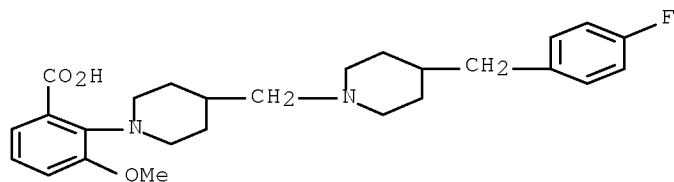
RN 796597-82-5 CAPLUS

CN Benzoic acid, 2-[4-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-1-piperidinyl]-5-methyl- (CA INDEX NAME)



RN 796597-89-2 CAPLUS

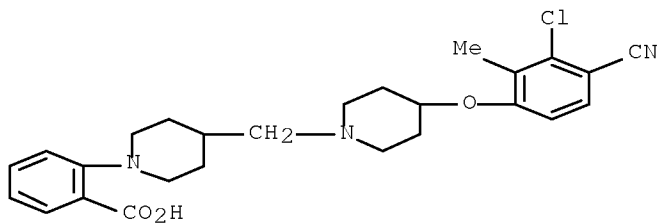
CN Benzoic acid, 2-[4-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-1-piperidinyl]-3-methoxy- (CA INDEX NAME)



RN 796598-31-7 CAPLUS

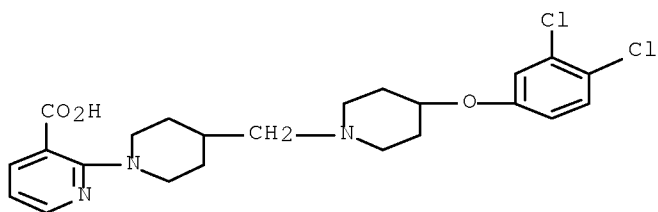
CN Benzoic acid, 2-[4-[[4-(3-chloro-4-cyano-2-methylphenoxy)-1-

piperidinyl)methyl]-1-piperidinyl]- (CA INDEX NAME)



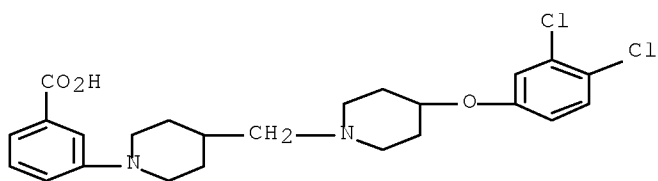
RN 796598-42-0 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4-[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



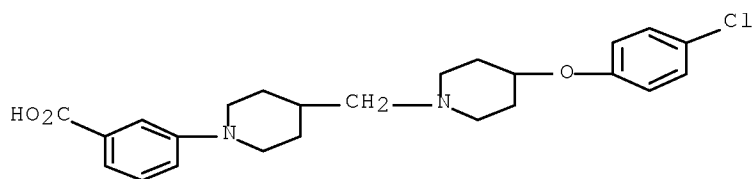
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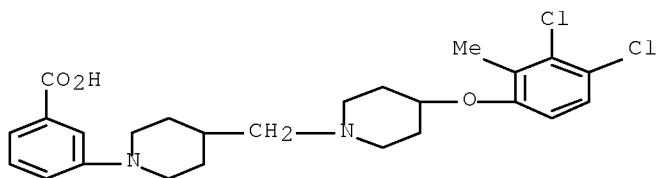
RN 796598-62-4 CAPLUS

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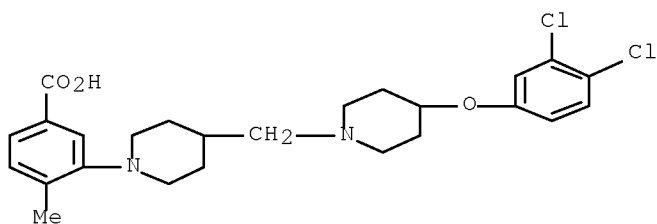
RN 796598-69-1 CAPLUS

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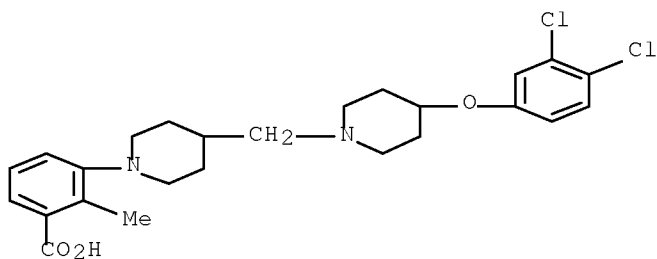
RN 796598-76-0 CAPLUS

CN Benzoic acid, 3-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-4-methyl- (CA INDEX NAME)



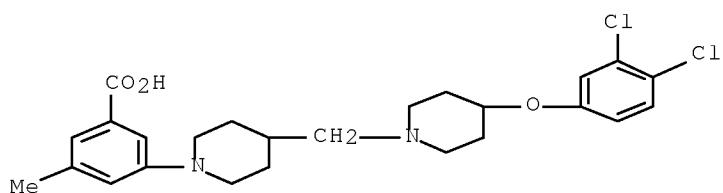
RN 796598-83-9 CAPLUS

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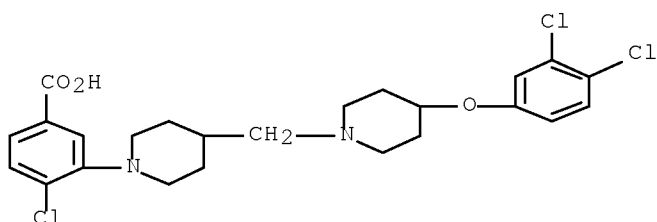
RN 796598-90-8 CAPLUS

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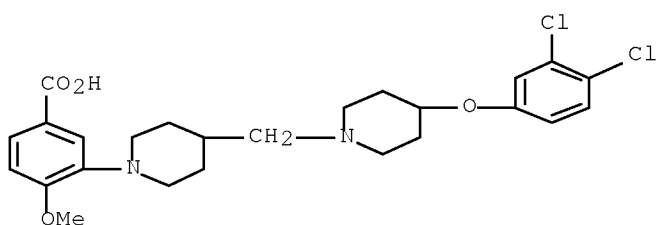
RN 796598-97-5 CAPLUS

CN Benzoic acid, 4-chloro-3-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



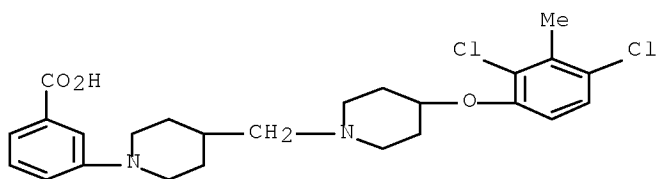
RN 796599-05-8 CAPLUS

CN Benzoic acid, 3-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-4-methoxy- (CA INDEX NAME)



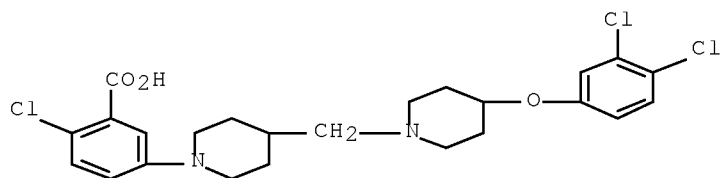
RN 796599-12-7 CAPLUS

CN Benzoic acid, 3-[4-[[4-(2,4-dichloro-3-methylphenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



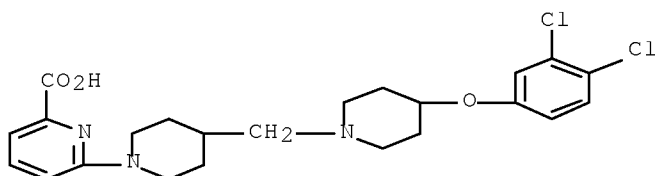
RN 796599-19-4 CAPLUS

CN Benzoic acid, 2-chloro-5-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



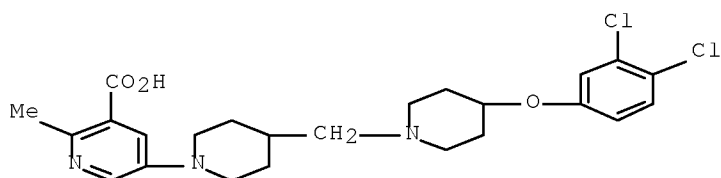
RN 796599-26-3 CAPLUS

CN 2-Pyridinecarboxylic acid, 6-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



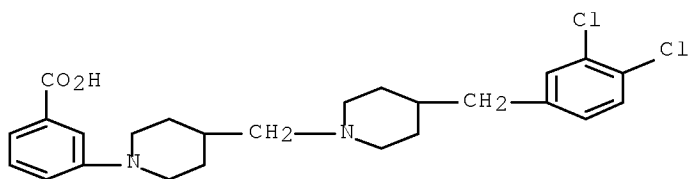
RN 796599-33-2 CAPLUS

CN 3-Pyridinecarboxylic acid, 5-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-2-methyl- (CA INDEX NAME)



RN 796599-40-1 CAPLUS

CN Benzoic acid, 3-[4-[[4-[(3,4-dichlorophenyl)methyl]-1-piperidinyl]methyl]-1-piperidinyl]- (CA INDEX NAME)



L17 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:171091 CAPLUS Full-text

DOCUMENT NUMBER: 148:369281

TITLE: Overcoming Undesirable hERG Potency of Chemokine
Receptor Antagonists Using Baseline Lipophilicity
RelationshipsAUTHOR(S): Shamovsky, Igor; Connolly, Stephen; David, Laurent;
Ivanova, Svetlana; Norden, Bo; Springthorpe, Brian;
Urbahns, KlausCORPORATE SOURCE: Department of Medicinal Chemistry, AstraZeneca R & D
Lund, Lund, S-22187, Swed.SOURCE: Journal of Medicinal Chemistry (2008), 51(5),
1162-1178

CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The inhibition of the hERG channel by noncardiovascular drugs is a side effect that severely impedes the development of new medications. To increase hERG selectivity of preclin. compds., the authors recommend the study of nondesolvation related interactions with the intended target and hERG using a baseline lipophilicity relationship approach. While this approach is conventionally used in studies of potency, the authors demonstrate here that it can help in selectivity issues. Studies of hERG selectivity in four inhouse classes of chemokine receptor (CCR) antagonists suggest that the selectivity is improved most effectively by structural alterations that increase the lipophilicity-adjusted primary potency, pIC₅₀CCR - LogD. Fragment-based QSAR anal. is performed using the lipophilicity-adjusted hERG potency, pIC₅₀hERG - LogD, to identify moieties that form nonhydrophobic interactions with the hERG channel. These moieties, which erode hERG selectivity, can then be avoided. A novel two-dimensional fragment-based QSAR anal. helps visualizing the lipophilicity-adjusted hERG and CCR potencies within chemical series.

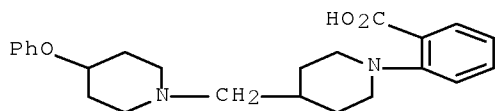
IT 1013653-73-0D, derivs.

RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(overcoming undesirable hERG potency of chemokine receptor antagonists using baseline lipophilicity relationships)

RN 1013653-73-0 CAPLUS

CN Benzoic acid, 2-[4-[(4-phenoxy-1-piperidiny)methyl]-1-piperidiny]- (CA INDEX NAME)

REFERENCE COUNT: 110 THERE ARE 110 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L17 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:292021 CAPLUS Full-text

DOCUMENT NUMBER: 140:303547

TITLE: Preparation of piperidine derivatives for use in the treatment of chemokine mediated disease states

INVENTOR(S): Luckhurst, Christopher; Perry, Matthew; Springthorpe, Brian

PATENT ASSIGNEE(S): Astrazeneca Ab, Swed.

SOURCE: PCT Int. Appl., 72 pp.
CODEN: PIXXD2

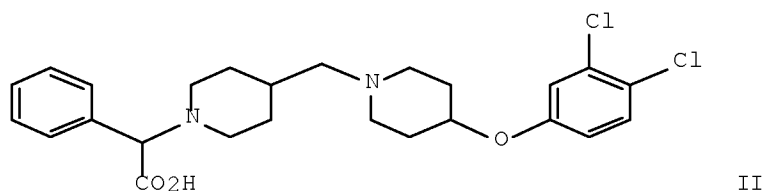
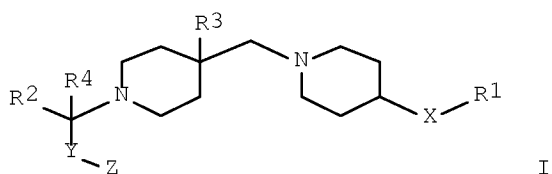
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004029041	A1	20040408	WO 2003-SE1425	20030912
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AU 2003259004	A1	20040419	AU 2003-259004	20030912
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EP 1546130	A1	20050629	EP 2003-798620	20030912
EP 1546130	B1	20070801		
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BR 2003014688	A	20050802	BR 2003-14688	20030912
CN 1684952	A	20051019	CN 2003-822502	20030912
JP 2006503066	T	20060126	JP 2004-539695	20030912
NZ 538527	A	20061027	NZ 2003-538527	20030912
EP 1816123	A1	20070808	EP 2007-10143	20030912
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MX 2005PA03007	A	20050622	MX 2005-PA3007	20050317
ZA 2005002341	A	20050919	ZA 2005-2341	20050318
US 20060040984	A1	20060223	US 2005-528477	20050318
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PRIORITY APPLN. INFO.:			SE 2002-2838	A 20020924
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OTHER SOURCE(S):	MARPAT 140:303547			
GI				



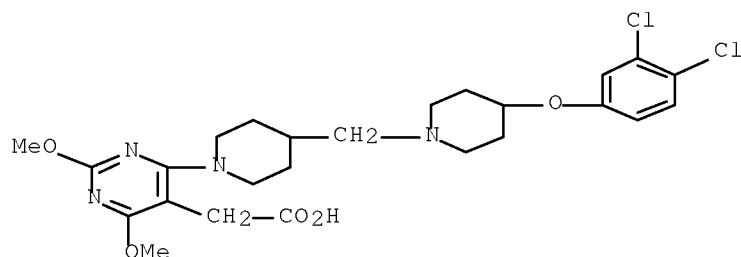
AB Title compds. I [X = CH₂, CO, O, SOO-2, amino; Y = bond, alkylene, etc.; Z = carboxy, aminosulfonyl, etc.; R₁-2 = H, alkyl, aryl, heterocyclyl; R₄ = H, alkyl; R₃ = H, OH] are prepared For instance, 4-[[4-(3,4-Dichlorophenoxy)piperidin-1-yl]methyl]piperidine (preparation given) is reacted with glyoxylic acid and benzeneboronic acid (EtOH, microwave, 100°, 5 min) to give II. II has pK_i = 7.2 for the H₁ receptor. I are useful for the treatment of a chemokine (such as CCR3) or H₁ mediated disease state.

IT 676517-94-5P, 2-[[4-[[4-(3,4-Dichlorophenoxy)piperidin-1-yl]methyl]piperidin-1-yl]-2,4-dimethoxypyrimidin-5-yl]acetic acid
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(novel piperidine derivs. for use in treatment of chemokine mediated disease states)

RN 676517-94-5 CAPLUS

CN 5-Pyrimidineacetic acid, 4-[4-[[4-(3,4-dichlorophenoxy)-1-piperidinyl]methyl]-1-piperidinyl]-2,6-dimethoxy- (CA INDEX NAME)



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FILE 'REGISTRY' ENTERED AT 14:12:40 ON 17 DEC 2008
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FILE 'CAPLUS' ENTERED AT 14:21:56 ON 17 DEC 2008
 L4 6 SEA SPE=ON ABB=ON PLU=ON L3

FILE 'REGISTRY' ENTERED AT 14:22:08 ON 17 DEC 2008
 L5 STR
 L6 0 SEA SUB=L3 SSS SAM L5
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 L8 STR L5
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 L10 138 SEA SUB=L3 SSS FUL L8

FILE 'WPIX' ENTERED AT 14:29:08 ON 17 DEC 2008
 L11 0 SEA SSS SAM L1 AND L8
 L12 3 SEA SSS FUL L1 AND L8
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FILE 'CAPLUS' ENTERED AT 14:30:23 ON 17 DEC 2008
 L16 4 SEA SPE=ON ABB=ON PLU=ON L10

FILE 'CAPLUS' ENTERED AT 14:30:46 ON 17 DEC 2008
 D QUE L16

FILE 'WPIX' ENTERED AT 14:30:53 ON 17 DEC 2008
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FILE 'CAPLUS, WPIX' ENTERED AT 14:31:00 ON 17 DEC 2008
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 ANSWERS '1-4' FROM FILE CAPLUS
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(FILE 'HOME' ENTERED AT 14:07:19 ON 17 DEC 2008)

FILE 'REGISTRY' ENTERED AT 14:12:40 ON 17 DEC 2008
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 L4 6 S L3

FILE 'REGISTRY' ENTERED AT 14:22:08 ON 17 DEC 2008
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L16 4 S L10

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FILE 'CAPLUS, WPIX' ENTERED AT 14:31:00 ON 17 DEC 2008
L17 4 DUP REM L16 L13 (2 DUPLICATES REMOVED)

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STRUCTURE FILE UPDATES: 16 DEC 2008 HIGHEST RN 1085590-90-4
DICTIONARY FILE UPDATES: 16 DEC 2008 HIGHEST RN 1085590-90-4

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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
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on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

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(FILE 'HOME' ENTERED AT 14:07:19 ON 17 DEC 2008)

FILE 'REGISTRY' ENTERED AT 14:12:40 ON 17 DEC 2008
L1 STR
L2 6 S L1
L3 149 S L1 FUL

FILE 'CAPLUS' ENTERED AT 14:21:56 ON 17 DEC 2008
L4 6 S L3

FILE 'REGISTRY' ENTERED AT 14:22:08 ON 17 DEC 2008
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FILE 'BEILSTEIN' ENTERED AT 14:29:37 ON 17 DEC 2008

L14 0 S L1 AND L8
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FILE 'CAPLUS' ENTERED AT 14:30:23 ON 17 DEC 2008

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FILE 'CAPLUS' ENTERED AT 14:30:46 ON 17 DEC 2008

FILE 'WPIX' ENTERED AT 14:30:53 ON 17 DEC 2008

FILE 'CAPLUS, WPIX' ENTERED AT 14:31:00 ON 17 DEC 2008

L17 4 DUP REM L16 L13 (2 DUPLICATES REMOVED)

FILE 'REGISTRY' ENTERED AT 14:31:40 ON 17 DEC 2008